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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20070001
Agency Interest No. 1396

Mr. Tim Harris
Plant Manager
Exide Technologies
2400 Brooklawn Dr
Baton Rouge, LA 70807

RE: Part 70 Operating Permit Modification, Baton Rouge Smelter
Exide Technologies, Inc. Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Harris:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 5th of October, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 0840-00004-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:tam
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Baton Rouge Smelter
Agency Interest No.: 1396
Exide Technologies, Inc.
Baton Rouge, East Baton Rouge Parish, Louisiana**

I. Background

Exide Technologies, Inc. (Exide) owns and operates the Baton Rouge Smelter, a secondary lead smelter and refiner that recycles spent transportation batteries and other lead-bearing wastes into refined lead products. The Baton Rouge Smelter is located at 2400 Brooklawn Drive in Baton Rouge, East Baton Rouge Parish, Louisiana. Previously owned by Schuykill Metals Corporation, this facility began operating in 1969 and ran for many years as a grandfathered facility. In 1995, Schuykill Metals Corporation was purchased by Exide Corporation, who in 2001, underwent a name change to Exide Technologies. The company currently operates under administrative amendment Permit No. 0840-00004-V0 issued on September 20, 2006.

This is a minor modification to the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Exide Technologies, Inc. dated April 5, 2007 requesting a Part 70 operating permit modification. Additional information dated August 31, 2007 was also received.

III. Description

The Baton Rouge Smelter recycles inorganic lead-bearing materials, primarily spent lead acid batteries, into refined lead and lead alloy in the form of lead pig and block ingots. Customers use these products to make weights, bearings, ammunition, chemicals, and batteries.

Spent lead-acid batteries are delivered to the facility in trucks and are unloaded at the Battery Breaker Desulphurization (DES) Unit unloading dock. Lead-acid batteries are either fed directly into the DES Unit or stored temporarily in permitted hazardous waste storage areas. Lead-acid batteries are processed in battery breaker unit by cutting the batteries and hydraulically separating the individual components. The paste is thoroughly washed to remove the residual acid and lead. It is then loaded onto trailers and shipped off-site for recycling. The battery acid, a weak sulfuric acid solution, is neutralized with sodium hydroxide and crystallized to form sodium sulfate salt. The salt is sold as a product. The lead material from the batteries is processed to convert lead sulfate to lead oxide in paste form. The lead oxide paste is then stored in Exide's permitted Containment Building prior to recycling.

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The facility operates one blast furnace (Blast Furnace No. 1) and one reverberatory furnace (Reverberatory Furnace No. 3) that are used to smelt the lead-bearing raw materials. The Reverberatory Furnace No. 3 is charged with lead feed material primarily containing desulphurized battery components, non-desulphurized battery components, lead scrap, and emission control dust. The Blast Furnace No. 1 is charged with lead feed material containing reverberatory furnace slag, drosses, lead scrap, emission control dust, non-desulphurized battery components, and coke. Process heat needed to melt the lead is produced by the reaction of charged coke with blast air that is blown into the furnace and natural gas combustion. Some of the coke combusts to melt the charge, while the remainder reduces lead oxides to elemental lead.

The molten lead is refined in kettles to meet client specifications and is then cast into either ingots using two casting machines or blocks using molds. The finished lead is tested for content and loaded into trucks and transported off-site for reuse.

As a part of the lead recycling, a blast furnace slag is generated. The slag is allowed to cool, crushed to small diameter, and treated using a mixture of cement and sodium silicate, as specified in the Hazardous Waste Permit. After treatment, the slag is placed in a permitted on-site Solid Waste landfill.

This minor modification application is being submitted to reconcile sulfur dioxide emissions from the Blast Furnace No. 1 and the Reverberatory Furnace No. 3 with actual emissions due to recent engineering studies performed in March and July 2006 and January 2007. These studies showed sulfur dioxide emissions higher than permitted. Exide believes the sulfur dioxide reduction efficiency was an incorrect estimate based on literature provided by the manufacturer of the desulphurization unit.

Exide requests the following modifications:

- Reconcile emissions from the Blast Furnace No. 1 and the Reverberatory Furnace No. 3.
- Decommission No. 6 Baghouse and route the emissions to No. 7 Baghouse.
- Add to the equipment list a cartridge filter near the No. 1 Casting machine. An Authorization to Construct approved this filter for construction on September 10, 2007.

The above changes do not constitute a major modification.

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	21.48	36.45	+14.97
SO ₂	1,200.15	2,546.71	+ 1,346.56*
NO _x	18.92	21.24	+ 2.32
CO	15.85	17.91	+ 2.06
VOC **	1.23	1.34	+ 0.11
Pb	5.34	4.70	- 0.64

* Increase in SO₂ emissions are due to reconciliation in emissions and not a project related change. Facility began operation in 1969. Any project undertaken at the facility since construction would not have triggered PSD review had the SO₂ emissions been identified correctly.

****VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Benzene	< 0.001	0.001	- 0.001
Formaldehyde	0.01	0.0	- 0.01
Xylene	0.0	< 0.001	+ 0.001
n-Hexane	> 0.35	< 0.001	- 0.349
Toluene	< 0.001	0.001	0.0
Ethylbenzene	0.0	< 0.001	+ 0.001
Total	0.362	0.005	- 0.357

Other VOC (TPY): 4.70

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Non-VOC LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Sulfuric Acid	0.36	6.412	+ 6.052

IV. Type of Review:

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge; on <date>, 200X; and in the <local paper>, <local town>, on <date>; 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: Screen

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard (NAAQS))
Sulfuric Acid	8 hour	10.42 $\mu\text{g}/\text{m}^3$	23.8 $\mu\text{g}/\text{m}^3$
SO ₂	3 hour	847.548 $\mu\text{g}/\text{m}^3$	1300 $\mu\text{g}/\text{m}^3$
	24 hour	269.195 $\mu\text{g}/\text{m}^3$	365 $\mu\text{g}/\text{m}^3$
	Annual	50.22 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM ₁₀	SO ₂	NO _X	CO	VOC
Backup Control BH No. 5 and 7	4 times per year	-	-	-	-	-
Backup Control BH No. 7 and 5	4 times per year	-	-	-	-	-

IX. Insignificant Activities

ID No.:	Description	Citation
93-6	2,000 gallons - Diesel Tank	LAC 33:III.501.B.5.A.3
93-9	10,000 gallons - Caustic Soda Tank No. 1	LAC 33:III.501.B.5.A.10
93-10	12,000 gallons - Caustic Soda Tank No. 2	LAC 33:III.501.B.5.A.10
04	Cutting Torches (9 each)	LAC 33:III.501.B.5.B.3

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III:Chapter																		
		2	5▲	9	11	13	15	2103	2104*	2107	2113	2115	2116*	2123	22	29*	51*	53*	56	59*
EQT 5	UNF 001- Baton Rouge Smelter	1	1	1	1	1								1						
EQT 7	93-2A Reverberatory Furnace No. 3 - with Baghouse No. 4																			
EQT 9	93-3-A Blast Furnace No. 1- Fugitives with Baghouse No. 5																			
EQT 10	93-4-A Reverberatory Furnace No. 3-Process Fugitive with Baghouse No. 7													1						
EQT 11	93-4B Kettle No. 3-Process Fugitive Emissions													1						
EQT 12	93-5A Refining & Casting Kettle Heater No. 2													1						
EQT 13	93-5B Refining & Casting Kettle Heater No. 3													1						
EQT 14	93-5C Refining & Casting Kettle Heater No. 4													1						
EQT 15	93-5D Refining & Casting Kettle Heater No. 5													1						
EQT 16	93-5E Refining & Casting Kettle Heater No. 6													1						
EQT 17	93-5F Refining & Casting Kettle Heater No. 7													1						
EQT 18	93-5G Refining & Casting Kettle Heater No. 8													1						
EQT 19	93-5H Refining & Casting Kettle Heater No. 9													1						
	93-5I Refining & Casting Kettle Heater No. 10													1						

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ID No.: Description	LAC 33:III.Chapter																		
	2	5▲	9	11	13	15	2103	2104*	2107	2113	2115	2116*	2123	22	29*	51*	53*	56	59*
EQT 20 93-5J Refining & CastingKettle Heater No. 15																			
EQT 21 93-5K Refining & Casting Kettle Heater No. 16																			
EQT 22 93-5L Refining & CastingKettle Heater No. 17																			
EQT 23 93-7 Gasoline Tank																			
EQT 24 93-11 Cement Silo No. 1																			
EQT 26 93-13 Sulfuric Acid Tank No. 1																			
EQT 27 93-14 Sulfuric Acid Tank No. 2																			
EQT 28 95-1 DES Unit Boiler																			
EQT 29 95-2 DES Unit Baghouse																			
EQT 30 95-2A DES Unit Heater																			
EQT 31 95-2B DES Unit Sodium Sulfate Drying																			
EQT 32 95-3 DES Unit Gas Scrubber																			
EQT 33 97-1 No. 7 Baghouse																			
EQT 34 97-1A Kettle No. 2-Process Fugitive Emissions																			
EQT 35 97-1B Kettle No. 4-Process Fugitive Emissions																			

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ID No.:	Description	LAC 33:III.Chapter																		
		2	5▲	9	11	13	15	2103	2104*	2107	2113	2115	2116*	2123	22	29*	51*	53*	56	59*
EQT 36	97-1C Kettle No. 5-Process Fugitive Emissions																			
EQT 37	97-1D Kettle No. 6-Process Fugitive Emissions																			
EQT 38	97-1E Kettle No. 7-Process Fugitive Emissions																			
EQT 39	97-1F Kettle No. 8-Process Fugitive Emissions																			
EQT 40	97-1G Kettle No. 9-Process Fugitive Emissions																			
EQT 41	97-1H Kettle No. 10-Process Fugitive Emissions																			
EQT 42	97-1I Kettle No. 15-Process Fugitive Emissions																			
EQT 43	97-1J Kettle No. 16-Process Fugitive Emissions																			
EQT 44	97-1K Kettle No. 17-Process Fugitive Emissions																			
EQT 48	93-1A Blast Furnace No. 1 - with Baghouse No. 1																			
FUG 1	95-4 Fugitive Emissions-Plant Roadways																			

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR	
		A	K	Ka	Kb	D	L	N	KKK	III	A	E	V	A	X	SS	VV	HII	68	82	
EQT 5	UNF001 – Baton Rouge Facility	1																			
EQT 7	93-2A Reverb. Furnace No. 3 - with Baghouse No. 4							1										1	1		
EQT 9	93-3A Blast Furnace No. 1- Fugitives with Baghouse No. 5									1									1		
EQT 10	93-4A Reverberatory Furnace No. 3-Process Fugitive with Baghouse No. 7									1									1		
EQT 11	93-5A Refining & Casting Kettle Heater No. 2 Emissions										1								1		
EQT 12	93-5B Refining & Casting Kettle Heater No. 3										3								1		
EQT 13	93-5C Refining & Casting Kettle Heater No. 4										3								1		
EQT 14	93-5D Refining & Casting Kettle Heater No. 5										3								1		
EQT 15	93-5E Refining & Casting Kettle Heater No. 6										3								1		
EQT 16	93-5F Refining & Casting Kettle Heater No. 7										3								1		
EQT 17	93-5G Refining & Casting Kettle Heater No. 8										3								1		
EQT 18	93-5H Refining & Casting Kettle Heater No. 9										3								1		
EQT 19	93-5I Refining & Casting Kettle Heater No. 10										3								1		
EQT 20	93-5J Refining & Casting Kettle Heater No. 15										3								1		

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EQT 21	93-5K Refining & Casting Kettle Heater No. 16																					
EQT 22	93-5L Refining & Casting Kettle Heater No. 17																					
EQT 23	93-7 Gasoline Tank																					
EQT 24	93-11 Cement Silo No. 1																					
EQT 26	93-13 Sulfuric Acid Tank No. 1																					
EQT 27	93-14 Sulfuric Acid Tank No. 2																					
EQT 28	95-1 DES Unit Boiler																					
EQT 29	95-2 DES Unit Baghouse																					
EQT 30	95-2A DES Unit Heater																					
EQT 31	95-2B DES Unit Sodium Sulfate Drying																					
EQT 32	95-3 DES Unit Gas Scrubber																					
EQT 33	97-1 No. 7 Baghouse																					
EQT 34	97-1A Kettle No. 2-Process Fugitive Emissions																					
EQT 35	97-1B Kettle No. 4-Process Fugitive Emissions																					
EQT 36	97-1C Kettle No. 5-Process Fugitive Emissions																					
EQT 37	97-1D Kettle No. 6-Process Fugitive Emissions																					

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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	K	Ka	Kb	D	L	N	KKK	III	A	E	V	A	X	SS	VV	HHH	68	82							
EQT 38	97-1E Kettle No. 7-Process Fugitive Emissions																										
EQT 39	97-1F Kettle No. 8-Process Fugitive Emissions																										
EQT 40	97-1G Kettle No. 9-Process Fugitive Emissions																										
EQT 41	97-1H Kettle No. 10-Process Fugitive Emissions																										
EQT 42	97-1I Kettle No. 15-Process Fugitive Emissions																										
EQT 43	97-1J Kettle No. 16-Process Fugitive Emissions																										
EQT 44	97-1K Kettle No. 17-Process Fugitive Emissions																										
EQT 48	97-1A Blast Furnace No. 1 - with Baghouse No. 1																										
FUG 1	95-4 Fugitive Emissions-Plant Roadways																										

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Facility	Control of Emissions of Nitrogen Oxides [LAC 33:III.Chapter 22]	DOES NOT APPLY. Facility is not an affected facility per LAC 33:III.2201.B
	Comprehensive Toxic Air Pollutant Emission Control Program (State Only) [LAC 33:III.Chapter 51]	DOES NOT APPLY. Facility is not a major source of toxic air pollutants (TAPs).
	Chemical Accident Prevention and Minimization of Consequences [LAC 33:III. Chapter 59]	DOES NOT APPLY. Per LAC 33:III.5907 & 5911, facility does not store listed chemicals in quantities greater than threshold amounts.
	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. Facility does not store listed chemicals in quantities greater than threshold amounts.
EQT11-EQT22	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
	Refining & Casting Kettle Heaters (Emission points included under GRP 2 in Specific Requirements)	

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 23 (Continued)	NSPS Subpart Kb- Standards of Performance for Storage Vessels for Volatile Liquids [40 CFR 60.110b]	DOES NOT APPLY: Tank capacity is less than 40 m ³ (10,000 gallons) and constructed/modified prior to July 23, 1984.
GRP 9 (EQT 2 and EQT 5) Furnace Cap	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Non ferrous secondary smelters are not listed in Appendix P.
EQT28 DES Unit Boiler	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
	NSPS Subpart Dc- Standards of Performance for Fossil-Fuel-Fired Steam Generation Units [40 CFR 60.40c]	DOES NOT APPLY. The maximum design heat input capacity is less than 10 MM BTU/hr.
EQT 29, EQT 30 DES Unit Baghouse, DES Unit Heater	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 29, EQT 30 DES Unit Baghouse, DES Unit Heater	NSPS Subpart D- Standards of Performance for Fossil-Fuel-Fired Steam Generators for which construction is commenced after August 17, 1971 [40 CFR 60.40]	DOES NOT APPLY. Not a steam generator as defined by this subpart.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1; E.3, E.4, reference 40 CFR 70.6(a)(2)]

- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - I. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

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2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H; reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

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- 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33.III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
- 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 - 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. A permit application and Emission Inventory Questionnaire were submitted by Exide Technologies, Inc. dated April 5, 2007 requesting a Part 70 operating permit modification. Additional information dated August 31, 2007 was also received.

IV. This permit shall become invalid, for the sources not constructed, if:

- A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
- B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT
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- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

Attention: Office of the Secretary; Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1396 Exide Technologies - Baton Rouge Smelter
Activity Number: PER20070001
Permit Number: 0840-00004-V1
Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	0840-00004	Exide Technologies - Baton Rouge Smelter	CDS Number	05-27-1993
	72-0683723	Federal Tax ID	Federal Tax ID	11-21-1999
LAD008184137		Exide Technologies - Baton Rouge Smelter	Hazardous Waste Notification	10-31-1983
PMT/PC/CA		GPPRA Baselines	Hazardous Waste Permitting	10-01-1997
LA0004464		LPDES #	LPDES Permit #	06-25-2003
W/P1652		WPC State Permit Number	LWDPS Permit #	06-25-2003
GD-033-2054		Priority 2 Emergency Site	Priority 2 Emergency Site	07-19-2006
67282		SW ID#	Solid Waste Facility No.	04-30-2001
70874SCHYIWESTE		Schuylkill Metal	TEMPO Merge	12-19-2001
17007888		TRI #	Toxic Release Inventory	07-12-2004
		UST Facility ID (from UST legacy data)	UST FID #	10-11-2002
			Main Phone:	2257753040
Physical Location:		2400 Brooklawn Dr Baton Rouge, LA 70807		
Mailing Address:		PO Box 74040 Baton Rouge, LA 708744040		
Location of Front Gate:		30° 34' 59" latitude, 91° 1' 33" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83		
Related People:		Name	Mailing Address	Phone (Type)
	Edward Hardy	Edward Hardy	2400 Brooklawn Dr Baton Rouge, LA 70807	2257753040 Ext 132
	Edward Hardy	Edward Hardy	2400 Brooklawn Dr Baton Rouge, LA 70807	EDWARD.HARDY@EDWARD.HARDY@
	Edward Hardy	Edward Hardy	2400 Brooklawn Dr Baton Rouge, LA 70807	2257753040 Ext 132
	Edward Hardy	Edward Hardy	2400 Brooklawn Dr Baton Rouge, LA 70807	2257753040 Ext 132
	Edward Hardy	Edward Hardy	2400 Brooklawn Dr Baton Rouge, LA 70807	EDWARD.HARDY@EDWARD.HARDY@
	Edward Hardy	Edward Hardy	2400 Brooklawn Dr Baton Rouge, LA 70807	2257753040 (WP)
	Tim Harris	Tim Harris	2400 Brooklawn Dr Baton Rouge, LA 70807	2257753040 (WP)
	Tim Harris	Tim Harris		Haz. Waste Billing Party for
Related Organizations:		Name	Address	Phone (Type)
	Exide Technologies Inc	PO Box 74040	Baton Rouge, LA 708744040	Owes
	Exide Technologies Inc	PO Box 74040	Baton Rouge, LA 708744040	Operates
	Exide Technologies Inc	PO Box 74040	Baton Rouge, LA 708744040	Air Billing Party for
	Exide Technologies Inc	PO Box 74040	Baton Rouge, LA 708744040	Solid Waste Billing Party for
	Exide Technologies Inc	PO Box 74040	Baton Rouge, LA 708744040	Water Billing Party for
	Exide Technologies Inc	PO Box 74040	Baton Rouge, LA 708744040	Emission Inventory Billing Party

General Information

AI ID: 1396 Exide Technologies - Baton Rouge Smelter
Activity Number: PER20070001
Permit Number: 0840-0004-V1
Air - Title V Regular Permit Minor Mod

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
Activity Number: PER20070001
Permit Number: 0840-00004-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Secondary Lead Smelter and Refinery						
EQT0005	93-2A - Reverberatory Furnace No. 3 with Baghouse No. 4		21.5 MM BTU/hr	21.5 MM BTU/hr		8160 hr/yr (All Year)
EQT0007	93-3A - Blast Furnace No. 1-Process Fugitives with Baghouse No. 5		30000 tons/yr	30000 tons/yr		8160 hr/yr (All Year)
EQT0009	93-4A - Reverberatory Furnace No. 3-Process Fugitives with Baghouse No. 7		70000 tons/yr	70000 tons/yr		8160 hr/yr (All Year)
EQT0010	93-4B - Kettle No. 3-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0011	93-5A - Refining & Casting Kettle Heater No. 2		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0012	93-5B - Refining & Casting Kettle Heater No. 3		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0013	93-5C - Refining & Casting Kettle Heater No. 4		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0014	93-5D - Refining & Casting Kettle Heater No. 5		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0015	93-5E - Refining & Casting Kettle Heater No. 6		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0016	93-5F - Refining & Casting Kettle Heater No. 7		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0017	93-5G - Refining & Casting Kettle Heater No. 8		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0018	93-5H - Refining & Casting Kettle Heater No. 9		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0019	93-5I - Refining & Casting Kettle Heater No. 10		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0020	93-5J - Refining & Casting Kettle Heater No. 15		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0021	93-5K - Refining & Casting Kettle Heater No. 16		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0022	93-5L - Refining & Casting Kettle Heater No. 17		1.4 MM BTU/hr	1.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0023	93-7 - Gasoline Tank	1000 gallons			Gasoline	8760 hr/yr (All Year)
EQT0024	93-11 - Cement Silo No. 1		3000 tons/yr	3000 tons/yr	Cement	1200 hr/yr (All Year)
EQT0026	93-13 - Sulfuric Acid Tank No. 1	15000 gallons			Sulfuric Acid	8760 hr/yr (All Year)
EQT0027	93-14 - Sulfuric Acid Tank No. 2	15000 gallons			Sulfuric Acid	8760 hr/yr (All Year)
EQT0028	95-1 - DES Unit Boiler		3.6 MM BTU/hr	3.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0029	95-2 - DES Unit Baghouse		.35 MM ft ³ /hr	.35 MM ft ³ /hr		8760 hr/yr (All Year)
EQT0030	95-2A - DES Unit Heater		2.2 MM BTU/hr	2.2 MM BTU/hr		8760 hr/yr (All Year)
EQT0031	95-2B - DES Unit Sodium Sulfate Drying		11000 tons/yr	11000 tons/yr		8760 hr/yr (All Year)
EQT0032	95-3 - DES Unit Gas Scrubber		.41 MM ft ³ /hr	.41 MM ft ³ /hr		8760 hr/yr (All Year)
EQT0033	97-1 - No. 7 Baghouse		2.76 MM ft ³ /hr	2.76 MM ft ³ /hr		8760 hr/yr (All Year)
EQT0034	97-1A - Kettle No. 2-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0035	97-1B - Kettle No. 4-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0036	97-1C - Kettle No. 5-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0037	97-1D - Kettle No. 6-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0038	97-1E - Kettle No. 7-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0039	97-1F - Kettle No. 8-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0040	97-1G - Kettle No. 9-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0041	97-1H - Kettle No. 10-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0042	97-1I - Kettle No. 15-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0043	97-1J - Kettle No. 16-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0044	97-1K - Kettle No. 17-Process Fugitive Emissions		9200 tons/yr	9200 tons/yr		8160 hr/yr (All Year)
EQT0048	93-1A - Blast Furnace No. 1 with Baghouse No. 1		7.38 MM BTU/hr	7.38 MM BTU/hr		8160 hr/yr (All Year)
EQT0049	07-1 - Cartridge Filter		4000 ft ³ /min	4000 ft ³ /min		8160 hr/yr (All Year)

INVENTORIES

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Relationships:

ID	Description	Relationship	ID	Description
EQT0029	95-2 DES Unit Baghouse	Controls emissions from	EQT0030	95-2A DES Unit Heater
EQT0029	95-2 DES Unit Baghouse	Controls emissions from	EQT0031	95-2B DES Unit Sodium Sulfate Drying
EQT0032	95-3 DES Unit Gas Scrubber	Controls emissions from	EQT0028	95-1 DES Unit Boiler
EQT0032	97-1 No. 7 Baghouse	Controls emissions from	EQT0034	97-1A Kettle No. 2-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0035	97-1B Kettle No. 4-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0036	97-1C Kettle No. 5-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0037	97-1D Kettle No. 6-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0038	97-1E Kettle No. 7-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0039	97-1F Kettle No. 8-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0040	97-1G Kettle No. 9-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0041	97-1H Kettle No. 10-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0042	97-1I Kettle No. 15-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0043	97-1J Kettle No. 16-Process Fugitive Emissions
EQT0033	97-1 No. 7 Baghouse	Controls emissions from	EQT0044	97-1K Kettle No. 17-Process Fugitive Emissions

Subject Item Groups:

ID	Group Type	Group Description
GRP0002	Equipment Group	01 - Refining and Casting Kettle Heaters, EQT11-EQT22 (93-5A through 93-5L)
GRP0003	Equipment Group	02 - EQT34-EQT44, Kettles Nos. 3, 2, 4-10, 15, 16, and 17 (97-1A through 97-1K)
GRP0009	Equipment Group	03 - F-Cap Furnace Cap
PCS0001	Process Group	04 - Secondary Lead Smelter and Refinery
UNF0001	Unit or Facility Wide	05 - Baton Rouge Smelter

Group Membership:

ID	Description	Member of Groups
EQT0005	93-2A - Reverberatory Furnace No. 3 with Baghouse No. 4	GRP000000009, PCS0000000001
EQT0007	93-3A - Blast Furnace No. 1-Process Fugitives with Baghouse No. 5	PCS000000001
EQT0009	93-4A - Reverberatory Furnace No. 3-Process Fugitives with Baghouse No. 7	PCS000000001
EQT0010	93-4B - Kettle No. 3-Process Fugitive Emissions	PCS000000001
EQT0011	93-5A - Refining & Casting Kettle Heater No. 2	GRP000000002, PCS0000000001
EQT0012	93-5B - Refining & Casting Kettle Heater No. 3	GRP000000002, PCS0000000001
EQT0013	93-5C - Refining & Casting Kettle Heater No. 4	GRP000000002, PCS0000000001
EQT0014	93-5D - Refining & Casting Kettle Heater No. 5	GRP000000002, PCS0000000001
EQT0015	93-5E - Refining & Casting Kettle Heater No. 6	GRP000000002, PCS0000000001
EQT0016	93-5F - Refining & Casting Kettle Heater No. 7	GRP000000002, PCS0000000001
EQT0017	93-5G - Refining & Casting Kettle Heater No. 8	GRP000000002, PCS0000000001
EQT0018	93-5H - Refining & Casting Kettle Heater No. 9	GRP000000002, PCS0000000001
EQT0019	93-5I - Refining & Casting Kettle Heater No. 10	GRP000000002, PCS0000000001
EQT0020	93-5J - Refining & Casting Kettle Heater No. 15	GRP000000002, PCS0000000001

INVENTORIES

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT0021	93-5K - Refining & Casting Kettle Heater No. 16	GRP0000000002, PCS0000000001
EQT0022	93-5L - Refining & Casting Kettle Heater No. 17	GRP0000000002, PCS0000000001
EQT0023	93-7 - Gasoline Tank	PCS0000000001
EQT0024	93-11 - Cement Silo No. 1	PCS0000000001
EQT0026	93-13 - Sulfuric Acid Tank No. 1	PCS0000000001
EQT0027	93-14 - Sulfuric Acid Tank No. 2	PCS0000000001
EQT0028	95-1 - DES Unit Boiler	PCS0000000001
EQT0029	95-2 - DES Unit Baghouse	PCS0000000001
EQT0030	95-2A - DES Unit Heater	PCS0000000001
EQT0031	95-2B - DES Unit Sodium Sulfate Drying	PCS0000000001
EQT0032	95-3 - DES Unit Gas Scrubber	PCS0000000001
EQT0033	97-1 - No. 7 Baghouse	PCS0000000001
EQT0034	97-1A - Kettle No. 2-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0035	97-1B - Kettle No. 5-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0036	97-1B - Kettle No. 5-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0037	97-1D - Kettle No. 6-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0038	97-1E - Kettle No. 7-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0039	97-1F - Kettle No. 8-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0040	97-1G - Kettle No. 9-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0041	97-1H - Kettle No. 10-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0042	97-1I - Kettle No. 15-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0043	97-1J - Kettle No. 16-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0044	97-1K - Kettle No. 17-Process Fugitive Emissions	GRP0000000003, PCS0000000001
EQT0048	93-1A - Blast Furnace No. 1 with Baghouse No. 1	GRP0000000009, PCS0000000001
EQT0049	07-1 - Cartridge Filter	FCS0000000001
FUG0001	95-4 - Fugitive Emissions - Plant Roadways	PCS0000000001

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:	Air Contaminant Source	Multipier	Units Of Measure
Fee Number	Secondary Smelting or Non-Ferrous Metals	2	Furnaces

SIC Codes:

3341	Secondary smelting and refining of nonferrous metals	A1396
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INVENTORIES

All ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Secondary Lead Smelter and Refinery						
FUG0001 95-4 - Fugitive Emissions - Plant Roadways				Not applicable	No applicable	1961 hr/yr (All Year)
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic fum-in-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Secondary Lead Smelter and Refinery						
EQT0005 93-2A - Reverbatory Furnace No. 3 with Baghouse No. 4		86.3	65000	4		100
EQT0007 93-3A - Blast Furnace No. 1-Process Fugitives with Baghouse No. 5		61	46000	4		20
EQT0011 93-5A - Refining & Casting Kettle Heater No. 2		72.9	3432	1		35
EQT0012 93-5B - Refining & Casting Kettle Heater No. 3		72.9	3432	1		35
EQT0013 93-5C - Refining & Casting Kettle Heater No. 4		72.9	3432	1		35
EQT0014 93-5D - Refining & Casting Kettle Heater No. 5		72.9	3432	1		35
EQT0015 93-5E - Refining & Casting Kettle Heater No. 6		72.9	3432	1		35
EQT0016 93-5F - Refining & Casting Kettle Heater No. 7		72.9	3432	1		35
EQT0017 93-5G - Refining & Casting Kettle Heater No. 8		72.9	3432	1		35
EQT0018 93-5H - Refining & Casting Kettle Heater No. 9		72.9	3432	1		35
EQT0019 93-5I - Refining & Casting Kettle Heater No. 10		72.9	3432	1		35
EQT0020 93-5J - Refining & Casting Kettle Heater No. 15		72.9	3432	1		35
EQT0021 93-5K - Refining & Casting Kettle Heater No. 16		72.9	3432	1		35
EQT0022 93-5L - Refining & Casting Kettle Heater No. 17		72.9	3432	1		35
EQT0023 93-7 - Gasoline Tank		.51	1	.17		11
EQT0024 93-11 - Cement Silo No. 1		.51	1	.17		5
EQT0026 93-13 - Sulfuric Acid Tank No. 1		.09	1	5		19
EQT0027 93-14 - Sulfuric Acid Tank No. 2		.09	1	5		19
EQT0028 95-1 - DES Unit Boiler		72.9	3432	1		35
EQT0029 95-2 - DES Unit Baghouse		45.4	5890	1.66		74
EQT0030 95-2A - DES Unit Heater						230
EQT0032 95-3 - DES Unit Gas Scrubber		22.8	6821	2.5		66
EQT0033 97-1 - No 7 Baghouse		61	46000	4		20
EQT0048 93-1A - Blast Furnace No. 1 with Baghouse No. 1		65.5	111000	6		100
EQT0049 07-1 - Cartridge Filter		62.4	4000	1.17		25
Relationships:						
ID	Description	Relationship	ID	Description	ID	Description

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter

Activity Number: PER20070001

Permit Number: 0840-000004-V1

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Secondary Lead Smelter and Refinery															
EQT 0005 93-2A	2.12			2.53			3.33			1620.12			0.14		
EQT 0007 93-3A							0.11	0.11	0.43				0.05	0.05	0.20
EQT 0023 93-7															
EQT 0024 93-11							1.15	1.38	0.69						
EQT 0028 95-1	0.30	0.36	1.30	0.36	0.42	1.55	0.03	0.03	0.12	<0.01	0.01	0.01	0.02	0.02	0.09
EQT 0029 95-2	0.18	0.22	0.79	0.22	0.26	0.94	0.23	0.28	1.02	<0.01	0.01	0.01	0.01	0.01	0.05
EQT 0032 95-3							<0.01	<0.01	<0.01						
EQT 0033 97-1							0.79		3.20						
EQT 0048 93-1A	0.73			0.87			1.35			318.69			0.05		
EQT 0049 07-1							<0.01	<0.01	<0.01						
FUG 0001 95-4							0.22		0.21						
Baton Rouge Smelter															
GRP 0002 01	1.44	1.68	6.12	1.68	1.92	7.20	0.12	0.12	0.60	0.01	0.01	0.05	0.12	0.12	0.36
GRP 0009 03	2.38		9.70	2.83		11.55	3.90		15.91	624.16		2546.57	0.16	0.64	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter

Activity Number: PER20070001

Permit Number: 0840-00004-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 93-2A	Lead compounds		0.669	
	Sulfuric acid		1524	
EQT 0007 93-3A	Lead compounds	0.011	0.011	0.043
EQT 0023 93-7	Benzene	<0.001	<0.001	0.001
	Ethyl benzene	<0.001	<0.001	<0.001
	Toluene	<0.001	<0.001	0.001
	Xylene (mixed isomers)	<0.001	<0.001	<0.001
	n-Hexane	<0.001	<0.001	0.001
EQT 0026 93-13	Sulfuric acid	0.039		0.172
EQT 0027 93-14	Sulfuric acid	0.039		0.172
EQT 0032 95-3	Lead compounds	0.002	0.002	0.01
	Sulfuric acid	<0.001	<0.001	<0.001
EQT 0033 97-1	Lead compounds	0.199		0.813
EQT 0048 93-1A	Lead compounds		0.459	
	Sulfuric acid		0.260	
EQT 0049 07-1	Lead compounds	<0.001	<0.001	<0.001
GRP 0009 03	Lead compounds	0.940		3.835
	Sulfuric acid	1.487		6.607
UNF 0001 05	Benzene			0.001
	Ethyl benzene			<0.001
	Lead compounds			4.701
	Sulfuric acid			6.412
	Toluene			0.001
	Xylene (mixed isomers)			<0.001
	n-Hexane			0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery

Group Members: EQT 0005EQT 0007EQT 0009EQT 0011EQT 0010EQT 0012EQT 0013EQT 0014EQT 0015EQT 0016EQT 0017EQT 0018EQT 0019EQT 0020EQT 0021EQT 0022EQT 0023EQT 0024EQT 0026EQT 0027EQT 0028EQT 0029EQT 0030EQT 0031EQT 0032EQT 0033EQT 0034EQT 0035EQT 0036EQT 0037EQT 0038EQT 0039EQT 0040EQT 0041EQT 0042EQT 0043EQT 0044EQT 0048EQT 0049FUG 0001

EQT 0005 93-2A - Reverberatory Furnace No. 3 with Baghouse No. 4

- 1 [40 CFR 60.122.a] On and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, the permittee shall not discharge gases from the affected source into the atmosphere gases which: (1) contain particulate matter in excess of 50 mg/DSCM (0.022 grain/DSCF), and (2) exhibit 20 percent opacity or greater. [40 CFR 60.122(a)] Permittee shall determine compliance with the particulate matter standards in CFR 40 Part 60.122 by using: (1) Method 5 to determine the particulate matter concentration during representative periods of furnace operation, including charging and tapping. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf); (2) Method 9 and the procedures in CFR 40 Part 60.11 to determine opacity.
- 2 [40 CFR 60.123] Permittee shall not discharge or cause to be discharged into the atmosphere from any existing, new, or reconstructed blast, reverberatory, rotary, or electric smelting furnace any gases that contain lead compounds in excess of 2.0 mg/DSCM (0.00087 grains of lead/DSCF). [40 CFR 63.543(a)] Lead compounds monitored by stack emission testing annually. The following methods in Appendix A of Part 60 shall be used to determine compliance with the emission standard for lead compounds: Methods 1-4 and 12. [40 CFR 63.543(h)]
- 3 [40 CFR 63.543.a] Which Months: All Year Statistical Basis: Annual maximum If a compliance test demonstrates a source emitted lead compounds <= 1.0 mg lead/DSCM (0.00044 grain/DSCF) during the time of the compliance test, the permittee shall be allowed up to 24 calendar months from the previous compliance test to conduct the next compliance test for lead compounds. [40 CFR 63.543(i)] Control fugitive dust from the furnace area with a partial enclosure and pavement cleaning twice per day, or total enclosure with ventilation to a control device. [40 CFR 63.545(c)(3)] The test methods specified in 63.547 shall be used to determine compliance with the emission limitations in 63.543, 63.544, and 63.545. Permittee shall devise and operate according to a standard operating manual that describes in detail procedures for furnace and control device operation, inspection, maintenance, bag leak detection, and corrective action, as detailed in 63.548(c). This standard operating procedure manual shall be kept onsite and a copy of which shall be sent to the Administrator or his delegated authority for review and approval. [40 CFR 63.548(a)] The owner or operator of a secondary lead smelter shall comply with all of the notification requirements of 40 CFR Part 63.9 of subpart A, General Provisions. [40 CFR 63.549(a)] The permittee shall maintain all records and provide written reports as required to determine compliance with the emission limitations in 63.543, 63.544, and 63.545, and with the monitoring requirements of 63.548, in accordance with the recordkeeping and reporting requirements of 63.550(a)(1) through (a)(6). The permittee shall comply with the notification requirements of 63.549. Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
- 4 [40 CFR 63.543.h]
- 5 [40 CFR 63.543.i]
- 6 [40 CFR 63.545.c.3]
- 7 [40 CFR 63.547]
- 8 [40 CFR 63.548.a]
- 9 [40 CFR 63.549.a]
- 10 [40 CFR 63.550]
- 11 [LAC 33.III.1101.B]

SPECIFIC REQUIREMENTS

AJ ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0005 93-2A - Reverbatory Furnace No. 3 with Baghouse No. 4**

- 12 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions.¹ These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 13 [LAC 33:III.1311.B] Total suspended particulate <= 17.30 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 14 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified
- 15 [LAC 33:III.1503.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 16 [LAC 33:III.1503.D.1] Which Months: All Year Statistical Basis: None specified
- 17 [LAC 33:III.1513.E] Sulfur dioxide <= 2000 ppm at standard conditions.
- 18 [LAC 33:III.1513.E] Which Months: All Year Statistical Basis: Three-hour average
- Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D.Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.
- Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15.
- Submit excess emissions report: Due quarterly in accordance with LAC 33:III.Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions.
- Concentration of Sulfur dioxide recordkeeping by electronic or hard copy at the regulation's specified frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Source is exempt from CEMS requirements. Make records available to a representative of DEQ or the U.S. EPA on request.
- Particulate matter (10 microns or less) >= 99.9 % removal efficiency from filter manufacturer's certification
- 19 [LAC 33:III.1513] Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 20 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
- 21 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 22 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 23 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 24 [LAC 33:III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified

EQT 0007 93-3A - Blast Furnace No. 1-Process Fugitives with Baghouse No. 5

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0007 93-3A - Blast Furnace No. 1-Process Fugitives with Baghouse No. 5**

25 [40 CFR 60.122.a]

On and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, the permittee shall not discharge gases from the affected source into the atmosphere gases which: (1) contain particulate matter in excess of 50 mg/DSCM (0.022 grain/DSCF), and (2) exhibit 20 percent opacity or greater. [40 CFR 60.122(a)]
 Determine compliance with the particulate matter standards in CFR 40 Part 60.122 by using: (1) Method 5 to determine the particulate matter concentration during representative periods of furnace operation, including charging and tapping. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). (2) Method 9 and the procedures in CFR 40 Part 60.11 to determine opacity. Each owner or operator of a secondary lead smelter shall control the process fugitive emission sources listed in paragraphs 63.544(a)(1) through 63.544(a)(6) in accordance with the equipment and operational standards presented in paragraphs 63.544(b) and 63.544(c). Control fugitive dust from the furnace area with a partial enclosure and pavement cleaning twice per day, or total enclosure with ventilation to a control device. [40 CFR 63.545(c)(3)]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

EQT 0009 93-4A - Reverbatory Furnace No. 3-Process Fugitives with Baghouse No. 7

30 [40 CFR 60.122.a]

On and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, the permittee shall not discharge gases from the affected source into the atmosphere gases which: (1) contain particulate matter in excess of 50 mg/DSCM (0.022 grain/DSCF), and (2) exhibit 20 percent opacity or greater. [40 CFR 60.122(a)]
 Determine compliance with the particulate matter standards in CFR 40 Part 60.122 by using: (1) Method 5 to determine the particulate matter concentration during representative periods of furnace operation, including charging and tapping. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). (2) Method 9 and the procedures in CFR 40 Part 60.11 to determine opacity. Each owner or operator of a secondary lead smelter shall control the process fugitive emission sources listed in paragraphs 63.544(a)(1) through 63.544(a)(6) in accordance with the equipment and operational standards presented in paragraphs 63.544(b) and 63.544(c). Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
 Total suspended particulate <= 16.50 lb/hr. The rate of emission shall be the total of all emission points from the source (subsumed by 40 CFR 60.122(a)).
 Which Months: All Year Statistical Basis: None specified

EQT 0023 93-7 - Gasoline Tank

35 [LAC 33:III.2103.A]

36 [LAC 33:III.2103.H.3]

37 [LAC 33:III.2103.I]

Equip with a submerged fill pipe.
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER2007001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0024 93-11 - Cement Silo No. 1**

- 38 [LAC 33.III.131.B] Total suspended particulate <= 7.58 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 39 [LAC 33.III.131.C] Which Months: All Year Statistical Basis: Six-minute average
- 40 [LAC 33.III.131.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified

EQT 0028 95-1 - DES Unit Boiler

- 41 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 42 [LAC 33.III.131.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

EQT 0029 95-2 - DES Unit Baghouse

- 43 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.1-7.
- 44 [LAC 33.III.1305] Particulate matter (10 microns or less) >= 99.9 % removal efficiency from filter manufacturer's certification.
- 45 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 46 [LAC 33.III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 47 [LAC 33.III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 48 [LAC 33.III.507.H.1.a] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0029 95-2 - DES Unit Baghouse**

49 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0030 95-2A - DES Unit Heater

50 [LAC 33:III.110.I.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

51 [LAC 33:III.131.C]

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

EQT 0032 95-3 - DES Unit Gas Scrubber

52 [LAC 33:III.501.C.6]

Scrubber Flow rate >= 150 gallons/min.
 Which Months: All Year Statistical Basis: None specified

53 [LAC 33:III.507.H.1.a]

Scrubber Flow rate recordkeeping by electronic or hard copy once every four hours.

54 [LAC 33:III.507.H.1.a]

Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.

55 [LAC 33:III.507.H.1.a]

Scrubber Flow rate monitored by flow rate monitoring device once every four hours.
 Which Months: All Year Statistical Basis: None specified

EQT 0033 97-1 - No. 7 Baghouse

56 [40 CFR 60.122.a]

On and after the date on which the performance test required to be conducted by 40 CFR Part 60.8 is completed, the permittee shall use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in this section, except as provided in 40 CFR Part 60(b). [40 CFR 60.122(a)]

Determine compliance with the particulate matter standards in CFR 40 Part 60.122 by using: (1) Method 5 to determine the particulate matter concentration during representative periods of furnace operation, including charging and tapping. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf); (2) Method 9 and the procedures in CFR 40 Part 60.11 to determine opacity.

Each owner or operator of a secondary lead smelter shall control the process fugitive emission sources listed in paragraphs 63.544(a)(1) through 63.544(a)(6) in accordance with the equipment and operational standards presented in paragraphs 63.544(b) and 63.544(c).

The test methods specified in 63.547 shall be used to determine compliance with the emission limitations in 63.543, 63.544, and 63.545.

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0033 97-1 - No. 7 Baghouse**

Permittee shall devise and operate according to a standard operating manual that describes in detail procedures for furnace and control device operation, inspection, maintenance, bag leak detection, and corrective action, as detailed in 63.548(c). This standard operating procedure manual shall be kept onsite and a copy of which shall be sent to the Administrator or his delegated authority for review and approval. [40 CFR 63.548(a)]

Permittee shall comply with the notification requirements of 63.549.

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.1-7.

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

Particulate matter (10 microns or less) > 99.9 % removal efficiency.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily.

Which Months: All Year Statistical Basis: None specified

Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0048 93-1A - Blast Furnace No. 1 with Baghouse No. 1

On and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, the permittee shall not discharge gases from the affected source into the atmosphere gases which: (1) contain particulate matter in excess of 50 mg/DSCM (0.022 grain/DSCF), and (2) exhibit 20 percent opacity or greater. [40 CFR 60.122(a)]

Determine compliance with the particulate matter standards in CFR 40 Part 60.122 by using: (1) Method 5 to determine the particulate matter concentration during representative periods of furnace operation, including charging and tapping. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). (2) Method 9 and the procedures in CFR 40 Part 60.11 to determine opacity.

Permittee shall not discharge or cause to be discharged into the atmosphere from any existing, new, or reconstructed blast, reverberatory, rotary, or electric smelting furnace any gases that contain lead compounds in excess of 2.0 mg/DSCM (0.00087 grains of lead/DSCF). [40 CFR 63.543(a)]

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-0004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0048 93-1A - Blast Furnace No. 1 with Baghouse No. 1**

- 73 [40 CFR 63.543(h)] Lead compounds monitored by stack emission testing annually. The following methods in Appendix A of Part 60 shall be used to determine compliance with the emission standard for lead compounds: Methods 1-4 and 12. [40 CFR 63.543(h)]
- 74 [40 CFR 63.543(i)] Which Months: All Year; Statistical Basis: Annual maximum. If a compliance test demonstrates a source emitted lead compounds \leq 1.0 mg lead/DSCM (0.00044 grain/DSCF) during the time of the compliance test, the permittee shall be allowed up to 24 calendar months from the previous compliance test to conduct the next compliance test for lead compounds. [40 CFR 63.543(i)]
- 75 [40 CFR 63.545.c.3] Control fugitive dust from the furnace area with a partial enclosure and pavement cleaning twice per day, or total enclosure with ventilation to a control device. [40 CFR 63.545(c)(3)]
- 76 [40 CFR 63.547] The test methods specified in 63.547 shall be used to determine compliance with the emission limitations in 63.543, 63.544, and 63.545.
- 77 [40 CFR 63.548.a] Permittee shall devise and operate according to a standard operating manual that describes in detail procedures for furnace and control device operation, inspection, maintenance, and a bag leak detection and corrective action plan as detailed in Section 63.548(c). This standard operating procedure manual shall be kept onsite and a copy of which shall be sent to the Administrator or his delegated authority for review and approval. [40 CFR 63.548(a)]
- 78 [40 CFR 63.549.a] The owner or operator of a secondary lead smelter shall comply with all of the notification requirements of 40 CFR Part 63.9 of subpart A, General Provisions. [40 CFR 63.549(a)]
- 79 [40 CFR 63.550] The permittee shall maintain all records and provide written reports as required to determine compliance with the emission limitations in 63.543, 63.544, and 63.545, and with the monitoring requirements of 63.548, in accordance with the recordkeeping and reporting requirements of 63.550(a)(1) through (a)(6). The permittee shall comply with the notification requirements of 63.549.
- 80 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 81 [LAC 33:III.1311.B] Total suspended particulate \leq 9.81 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 82 [LAC 33:III.1313.C] Which Months: All Year; Statistical Basis: None specified. Total suspended particulate \leq 0.6 lb/MMBTU of heat input.
- 83 [LAC 33:III.1503.C] Which Months: All Year; Statistical Basis: None specified. Sulfur dioxide \leq 2000 ppm at standard conditions.
- 84 [LAC 33:III.1503.D.1] Which Months: All Year; Statistical Basis: Three-hour average. Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.
- 85 [LAC 33:III.1513.E] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.1513.5.
- 86 [LAC 33:III.1513.E] Submit excess emissions report: Due quarterly in accordance with LAC 33:III. Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions.

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-000004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**EQT 0048 93-1A - Blast Furnace No. 1 with Baghouse No. 1**

Concentration of Sulfur dioxide recordkeeping by electronic or hard copy at the regulation's specified frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III, Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Source is exempt from CEMS requirements. Make records available to a representative of DEQ or the U.S. EPA on request.

Particulate matter (10 microns or less) $\geq 99.9\%$ removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0049 07-1 - Cartridge Filter

Lead compounds $\geq 99.994\%$ removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

Particulate matter (10 microns or less) $\geq 99.994\%$ removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

FUG 0001 95-4 - Fugitive Emissions - Plant Roadways

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

Group: PCS 0001 Secondary Lead Smelter and Refinery**FUG 0001 95-4 - Fugitive Emissions - Plant Roadways**

98 [40 CFR 63.545]

Permittee shall devise and operate according to a standard operating manual that describes in detail procedures for controlling fugitive dust emissions within the area. These procedures shall at minimum include the requirements of (c)(1) of Section 63.545. This standard operating procedure manual shall be kept onsite and a copy of which shall be sent to the Administrator or his delegated authority for review and approval. Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

GRP 0002 01 - Refining and Casting Kettle Heaters, EQT11-EQT22 (93-5A through 93-5L)

Group Members: EQT 0011 EQT 0012 EQT 0013 EQT 0014 EQT 0015 EQT 0016 EQT 0017 EQT 0018 EQT 0019 EQT 0020 EQT 0021 EQT 0022

100 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, changing of an incinerator equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

101 [LAC 33:III.1305]

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel.)

Which Months: All Year Statistical Basis: None specified
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

GRP 0003 02 - EQT34-EQT44, Kettles Nos. 3, 2, 4-10, 15, 16, and 17 (97-1A through 97-1K)

Group Members: EQT 0034 EQT 0035 EQT 0036 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0041 EQT 0042 EQT 0043 EQT 0044

All process fugitive enclosure hoods required for refining kettles in paragraph (a) of Section 63.544 shall be ventilated to maintain a face velocity of at least 75 meters per minute (250 feet per minute). [40 CFR 63.544(b)(1)]
 Process Fugitive Emissions Capture Device: Enclosed Hood/Face Velocity >= 1.25 m/s. [40 CFR 63.544(b)(2)]

Which Months: All Year Statistical Basis: Instantaneous minimum Ventilation air from all enclosures and total enclosures shall be conveyed to a control device. Gases discharged to the atmosphere from these control devices shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains per dry standard cubic foot). [40 CFR 63.544(c)]
 Total suspended particulate <= 23.48 lb/hr. The rate of emission shall be the total of all emission points from the source (Superseded by 40 CFR 60 Subpart L).

Which Months: All Year Statistical Basis: None specified
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

GRP 0009 03 - F-Cap Furnace Cap

Group Members: EQT 0005 EQT 0006

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
Air - Title V Regular Permit Minor Mod

GRP 0009 03 - F-Cap Furnace Cap

- 107 [LAC 33:III.501.C.6] Finished Lead Production rate <= 100000 tons/yr. Notify the Office of Environmental Compliance, Enforcement Division if product throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
 Equipment/operational data monitored by technically sound method daily.
- 108 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: Daily average
 Equipment/operational data recordkeeping by electronic or hard copy daily and monthly. Keep records of the charge rate to each furnace daily and monthly, as well as the combined total charge rate for the last twelve months. Make records available for inspection by DEQ personnel.
 Submit report: Due annually, by the 31st of March. Report the combined finished lead production from both furnaces for the preceding calendar year to the Office of Environmental Compliance Enforcement Division.

UNF 0001 05 - Baton Rouge Smelter

- All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
 Permittee shall devise and operate according to a standard operating manual that describes in detail procedures for controlling fugitive dust emissions within the area. These procedures shall at minimum include the requirements of (c)(1) of Section 63.545. This standard operating procedure manual shall be kept onsite and a copy of which shall be sent to the Administrator or his delegated authority for review and approval.
 Permittee shall devise and operate according to a standard operating manual that describes in detail procedures for controlling process, process fugitive, or fugitive dust emissions within process buildings. These procedures shall at minimum include the applicable requirements of (c)(3) through (c)(9) of Section 63.548. This standard operating procedure manual shall be kept onsite and a copy of which shall be sent to the Administrator or his delegated authority for review and approval.
 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart X.
 Submit Title V permit application for renewal: 6 months before permit expiration date. [40 CFR 70.5(a)(1)(ii)]
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.66(a)(3)(iii)(A)]
 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(ii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(ii)(B)]
 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

SPECIFIC REQUIREMENTS

AI ID: 1396 - Exide Technologies - Baton Rouge Smelter
 Activity Number: PER20070001
 Permit Number: 0840-00004-V1
 Air - Title V Regular Permit Minor Mod

UNF_0001 05 - Baton Rouge Smelter

- 119 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 120 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 121 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 122 [LAC 33:III.213.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 123 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 124 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 125 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 126 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.